

Abstract

A crawler track tension adjusting device is provided in which a driving unit of a closed structure is used as a control operation mechanism and automatic tension adjustment is carried out in response to a control signal to create optimum tension on a crawler belt. To this end, the crawler track tension adjusting device comprises: (a) a tension adjusting cylinder which is operated in a direction to increase tension and in a direction to reduce tension under the same condition; (b) a hydraulic pump driven by a motor; (c) a hydraulic circuit including an electromagnetic direction selector valve disposed in an oil pipeline for connecting the hydraulic pump to the tension adjusting cylinder; and (d) a hydraulic sensor for detecting the operating condition of the tension adjusting cylinder disposed in the hydraulic circuit. The hydraulic sensor is connected to an additionally installed controller to operate the hydraulic pump and the direction selector valve thereby controlling the tension adjusting cylinder.